

MULTIPLE CHANNEL, MICROSTRIP TRANSCEIVER VOLUME ARRAY FOR MAGNETIC RESONANCE IMAGING

Abstract of Disclosure

A multiple channel array coil for magnetic resonance imaging (MRI) is disclosed. In an exemplary embodiment, the array coil includes a plurality of conductive strips formed within a dielectric medium. The conductive strips are further arranged into a generally cylindrical configuration, with each of the strips having a length (L), selected to cause each of the strips to serve as a resonator at a frequency corresponding to a proton MRI frequency. Thereby, the generally cylindrical configuration of conductive strips forms a multiple channel, volume resonator in which each of the strips is isolated from the remaining strips.

Figures

Figure 1: A line graph showing the relationship between the number of hours spent studying and the score on a test. The x-axis represents the number of hours (0 to 10), and the y-axis represents the score (0 to 100). The data points are as follows:

Hours	Score
0	50
1	55
2	60
3	65
4	70
5	75
6	80
7	85
8	90
9	95
10	100

The graph shows a positive linear relationship, indicating that as the number of hours spent studying increases, the score on the test also increases.